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NEW SOVIET TEXTILE, POLYGRAPHIC, FOOD-PROCESSING MACHINERY

INCORPORATE NEW PRINCIPLES IN SLUBBING FRAME -- Moscow, Moskovskaya Pravda,
 31 May 52

Designers at the Kolonna Textile Machine Building Plant are completing
 work on a new type of high-speed slubbing frame which will raise labor productivity
 25-30 percent.

A new principle of slubbing never used before has been incorporated in the
 design of this machine. It is based on the utilization of a special plastic drum,
 with a spiral groove of special profile on its outer surface. The use of the
 drum has made it possible to simplify the design of the machine to a great extent.

A new knotting machine for silk has been designed and manufactured. Its
 productivity is 12,000 knots per hour.

IMPROVE DESIGN OF HUGE SPINNING AGGREGATE -- Moscow, Vechernyaya Moskva, 28 Apr 52

An original machine for continuous spinning and finishing of yarn for
 synthetic fabrics was developed by the Moscow Hiltekman Plant in 1952. This
 aggregate is two stories high and has a number of advantages over machines of
 similar design produced earlier. It occupies less space, has improved control
 mechanisms, and 30 percent less metal was used in its manufacture.

The machine processes up to 80 meters of yarn per minute.

Kiev, Pravda Ukrainy, 27 Jun 52

The [above described] aggregate, which is considerably improved over those
 produced earlier, is more compact, and 40 fewer tons of metal went into its
 manufacture.

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RELEASE NEW BOBBIN SPINNING MACHINE -- Moscow, Pravda, 20 Jun 52

A complex bobbin spinning machine for a new fiber, intended for different synthetic fabrics, has been produced by the Leningrad Plant imeni Karl Marx. The new machine is 22 meters long, 5 meters high, and consists of 42,000 parts.

SHIP EXPERIMENTAL AGGREGATE FOR MANUFACTURE OF SYNTHETIC FIBERS -- Stalinabad, Communist Tadzhikistan, 8 Jun 52

The Leningrad Plant imeni Karl Marx has shipped to a plant in the Moscow area an experimental automatic continuous-operation machine for the production of synthetic fibers made from coke.

The new aggregate simultaneously manufactures 150 threads at a speed of 80 meters per minute. Each thread consists of a number of parallel continuous fibers several hundredths of a millimeter thick. Depending on the requirements, the aggregate can put up to 120 fibers together in one thread.

The synthetic thread can be used for the manufacture of fabrics, fish nets, and ropes. The items resist rotting, burning, and acid.

The new automatic aggregate was designed by K. D. Dmitrov, A. A. Kopol'skikh, A. M. Shelkovich, G. R. Molodtsov, engineers, and was manufactured in the plant's experimental shop.

MANUFACTURE NEW LOOM -- Tallin, Sovetskaya Estoniya, 28 Jun 52

The Klimovsk Machine Building Plant has manufactured a multishuttle loom for weaving high-quality cloth. It is almost twice as productive as machines of earlier designs. It has automatic changing of bobbins.

The new machine is being installed at the Moscow Fine Woolen Fabric Mill imeni Petr Alekseyev.

TEST NEW CARPET-PRINTING MACHINE -- Moscow, Vechernyaya Moskva, 21 May 52

A new carpet-printing machine, designed by Engineer Petrov, has been tested successfully at the Vitebsk Carpet and Velour Combine. Its use will increase labor productivity 15-20 times, and will improve the quality of printed carpets.

The construction of a new shop which will be fully equipped with these machines is being completed at the enterprise.

DESIGN NEW WOOL DRYER -- Vil'nyus, Sovetskaya Litva, 24 May 52

Pal'tsev, chief engineer at the Shyaulyay Stumbras Tanning and Milling Combine, has designed a new dryer for wool. Waste flue gases are used for the dryer. In addition to a great saving in fuel, this gives a considerably improved quality of wool. The new method has been adopted at the Vil'nyus Perkunas Plant and at other enterprises of the republic.

MANUFACTURE EXPERIMENTAL BRAIDING MACHINES -- Leningradskaya Pravda, 11 May 52

The Leningrad Vulkan Plant has manufactured experimental models of machines for mechanizing the braiding of electric cable covering. Cable 5 to 25 millimeters

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in diameter can be covered with copper, tinplated, or steel zinc-plated wire. The cable covering is braided with 24 strands of wire, each of which is wound on a separate spool. If any one of these strands breaks, a special mechanism stops the machine.

By order of the cable industry, the plant is beginning to produce a series of braiding machines.

COMPLETE 6-MONTH PLAN AHEAD OF SCHEDULE -- Moscow, Moskovskaya Pravda, 29 Jun 52

The Podolsk Machinery Plant imeni M. I. Kalinin completed its half-year plan on 21 June. Workers of the enterprise will produce hundreds of sewing machines, tens of thousands of needles, and other above-plan products by the end of June.

In 5 months the plant saved 2,660,000 rubles. Losses due to rejects were decreased 30 percent, as compared with the same period in 1951.

RELEASE NEW POLYGRAPHIC MACHINES -- Yerevan, Kommunist, 24 May 52

Enterprises of the Ministry of Machine and Instrument Building are manufacturing several new types of polygraphic machines.

Among these is a flat-bed printing automatic produced by the Yevsk Molot Plant. Testing of the experimental model showed it to be of high quality. The new machine is twice as productive as similar models of old design. Multicolor printing is possible on the machine, which can print 2,600 copies per hour.

The first series of small-type offset machines has been released by the Shcherbakov Plant. The plant has shipped an above-plan two-roller rotary press to the Kuybyshev Hydroelectric Station.

SHIP FISH-PROCESSING MACHINE TO FAR EAST -- Tallin, Sovetskaya Estoniya, 25 Jun 52

The Mytishchi Bolsheviky Machine Building Plant is manufacturing a variety of equipment for enterprises of the food, meat and dairy, and fish industries.

A few days ago a machine for automatic processing of Siberian and hump-backed salmon was shipped to the Far East. The aggregate processes approximately 25 tons of fish per hour, replacing hundreds of workers.

Manufacture of a complex unit for processing codfish has been started at the plant.

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